

C1 62 (Amended). A prosthesis comprising a composite material, said composite material comprising a particulate inorganic filler material and a fibrous polymeric material, wherein said fibrous polymeric material comprises molecularly oriented polymeric fibers of maximum dimension 1 mm and a recrystallized melt phase, the fibers and melt phase being of the same polymer and being derived from common molecularly oriented precursor polymer fibers by melting a proportion of the polymer of the precursor fibers, the recrystallized melt phase consisting of from 5% to 50% by weight of the polymeric material and having a melting point less than that of the molecularly oriented fiber so as to join areas of adjacent fibers to form a network or continuous matrix which binds the fibers and filler together.

63 (Amended). A prosthesis as claimed in Claim 62, wherein the precursor fibers are of maximum length of 0.5 mm.

C2 65 (Amended). A prosthesis as claimed in Claim 62, wherein the inorganic filler is up to 60% volume of the composite material.